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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,120	03/24/2004	Kang Soo Seo	1740-00009-4US	3670
30593 7590 01/05/2011 HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195				
EXAMINER				
TEKLE, DANIEL T				
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2481				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/807,120

Applicant(s)

SEO ET AL.

Examiner

DANIEL TEKLE

Art Unit

2481

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 October 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1,2,4-6,15,16,18,19,21-25,27,29-34 and 36-43 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

- 5) ☐ Claim(s) _____ is/are allowed.

- 6) ☒ Claim(s) 1,2,4-6,15,16,18,19,21-25,27,29-34 and 36-43 is/are rejected.

- 7) ☐ Claim(s) _____ is/are objected to.

- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claim 1-2, 4-6, 15-16, 18-19, 21-25, 27, 29-34, 36-37 and 39-42 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-2, 4-6, 15-16, 18-19, 21-25, 27, 29-34 and 36-43 rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuga et al. (US 5,691,972).

Regarding Claim 1: Tsuga et al. discloses an optical disc storing a data structure for managing reproduction of video data recorded on the recording medium, comprising: a data area storing multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively **(column 11 line 51 to column 12 line 9: reproduction of different version of the same movie)**; wherein the plurality of reproduction paths include a first reproduction path forming a first version of one title and a second reproduction path forming a second version of one title **(column 11 line 51 to column 12 line 9: reproduction of different version of the same movie)**, and at list a portion of the first and second reproduction paths are

configured in parallel so either the first or the second reproduction path is reproduced when a version is reproduced (**column 12 lines 1-9, column 12 lines 15-25 and fig. 8a-8c: plural version of the same movie PGC#2 or PGC#3 or PGC#4**), wherein the first reproduction path and the second reproduction path include a common path portion referring to a same clip file (**column 12 lines 1-9, column 12 lines 15-25: plural version of the same movie PGC#2 or PGC#3 or PGC#4**); and a navigation information area storing playlists including reproduction information of the multi-path video data (**Fig. 8a-8c and fig. 11: Rating level #1 to #m subclass reproduction level for title group 1 to #Q**), wherein the playlist includes playitem specifying time based playing intervals in clip files of the multi-path video data, each playitem specifies the playing interval based on IN-time information indicating IN-point of the playing interval and OUT-time information indicating OUT-point of the playing interval(in-point and out-point is well known art. See the motivation for combine well known art below), wherein the number of the playlists associated with the one title is the same as the number of the reproduction paths of multi-path video data associated with the one title(**Fig. 8a-c and column 13 lines 24-40: six versions of film same number of playlist**).

Tsuga et al. fail explicitly to teach the use of in-time point and out-time point of a video clip playing interval; however Official Notice is taken that both the concept and the advantage of using in-time and out-time of video clips are well known and expected in the art. Thus, it would have been obvious to one skilled in the art, at the time of the applicant's invention to combine the teaching of in-time and out-time of video clips into

Tsuga et al. invention in order to create multiple clips in a film. Therefore having multiple clips in a film help expedite an audio/video editing system by playback a clip at a time.

Regarding Claim 2: Tsuga et al. discloses an optical disc of claim 1, wherein each of the playlists is associated with all of clip files for one path of the plurality reproduction paths (**Fig. 8a-8c**).

Regarding Claim 4: Tsuga et al. discloses an optical disc of claim 1, wherein each of the playlists, includes a plurality of playitems, different playitems included in the different playlists identifies the same clip file referred by the common path portion of the plurality of reproduction paths_(**Fig. 8a-8c**).

Regarding Claim 5: Claim 5 reject for the same reason to claim 1 as discussed above.

Regarding Claim 6: Tsuga et al. discloses an optical disc of claim 5, wherein at least one of the plurality of playitems_identifying the clip file referred by the common path portion of the plurality of reproduction paths (**Fig. 8a-8c**).

Regarding Claims 15-16: Claims 15-16 are rejected for the same subject matter as claim 1 and 5 respectively as discussed above.

Regarding Claims 18-19: Claims 18-19 are reject for the same reason to claims 1 and 5 respectively as discussed above.

Regarding Claim 21: Claim 21 reject for the same reason to claim 1 as discussed above.

Regarding Claim 22: Claim 22 is rejected for the same subject matter to claim 21 as discussed above.

Regarding Claim 23: Claim 23 reject for the same reason to claim 2 as discussed above.

Regarding Claim 24: Claim 24 reject for the same reason to claim 4 as discussed above.

Regarding Claim 25: Tsuga et al. discloses a method of claim 16, wherein at least one of the plurality of playitem identifying the clip file referred by the common path portion of the plurality of reproduction paths (**Fig. 8a-8c**).

Regarding Claim 27: Claim 27 are reject for the same reason to claim 24 respectively as discussed above.

Regarding Claim 29: Tsuga et al. discloses a method of claim 21, wherein the number of the playlists associated with the one title is the same as the number of the reproduction paths of the multi-path video data associated with the one title (**Fig. 8a-8c**).

Regarding Claim 30: Tsuga et al. discloses a method of claim 29, wherein each of the playlists is associated with all of the clip files for one path of the plurality of reproduction paths (**Fig. 8a-8c**).

Regarding Claim 31: Claim 31 reject for the same reason to claim 4 as discussed above.

Regarding Claim 32: Tsuga et al. discloses a method of claim 21, wherein the plurality of playitems identifying a plurality of different clip files of the multi-path video data(**Fig. 8a-8c**).

Regarding Claim 33: Tsuga et al. discloses a method of claim 32, wherein at least one of the plurality of playitem identifying the clip file referred by the common path portion of the plurality of reproduction paths (**Fig. 8a-8c**).

Regarding Claim 34 and 36-37: Claim 34 and 36-37 are rejected for the same reason to claim 29 and 31-32 respectively as discussed above.

Regarding Claim 39: Tsuga et al. discloses optical disc of claim 1, the navigation information area further stores a parental control information for reproducing permitted parental level of the title (**fig. 7: parental level ID**).

Regarding Claim 40: Tsuga et al. discloses a optical disc of claim 1, further one of the versions of the title is a parental control version of the title (**fig. 7: parental control**).

Regarding Claim 41: Tsuga et al. discloses optical disc of claim 1, having a general information file identifying a file name of a playlist wherein the general information file **Fig. 5: title search pointer management information**, a playlist file including the playlist and a clip information file including attribute information of corresponding clip file being a separate file from each other (**fig. 5: program chain attributes#1 to #m**).

Regarding Claim 42: Tsuga et al. discloses optical disc of claim 5, having a general information file identifying a file name of a playlist (**Fig. 5: title search pointer management information**), wherein the general information file, a playlist file including

the playlist and a clip information file including attribute information of corresponding clip file being a separate file from each other (**fig. 5: program chain attributes#1 to #m**).

Regarding Claim 43: Tsuga et al. discloses optical disc of claim 4, wherein the common path portion included in the first reproduction path and the second reproduction path being indentified by a same playitem with a same time based in-point and out-point (**fig. 8a-8c**).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter-Anthony Pappas can be reached on 571-272-7646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Daniel Tekle/
Examiner, Art Unit 2481

/Peter-Anthony Pappas/
Supervisory Patent Examiner, Art Unit 2481